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RCA-03/0018/69

25X1

Basic Imagery Interpretation Report



NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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ELISENVAARA LOW ALTITUDE AIR WARNING RADAR FACILITY

25X1

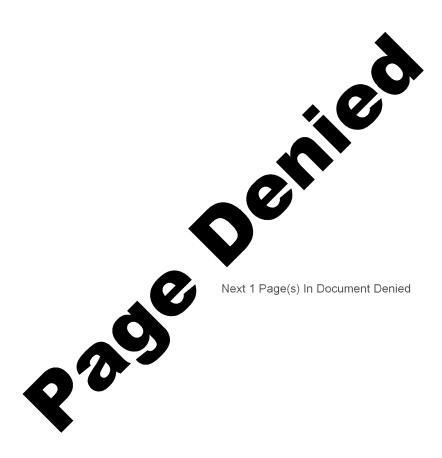
DEPLOYED COMM/ELEC/RADAR FACILITIES

USSR

APRIL 1969

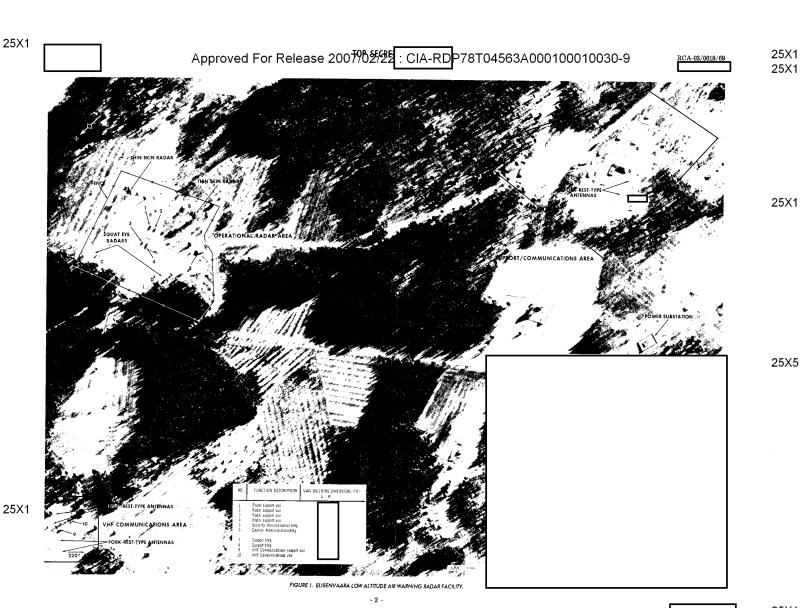
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	INSTALLATION OR ACTIVITY NAME	COUNTRY	25X1
	Elisenvaara Low Altitude Air Warning Radar Facility	UR	_
	UTM COORDINATES GEOGRAPHIC COORDINATES 61-23-48N 029-47-02E		
4	ACIC. US Air Target Chart 200, Sheet M0103-20HL, 4th ed, May 67, Scale 1	:200.000 (SECRET	 /
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İ	(ATEST IMAGERY USED NEGATION DATE (If required)		
25X1			25X1
	ABSTRACT		
25X1	Elisenvaara Low Altitude Air Warning Radar Facility is one of 23 warning facilities surrounding Leningrad. This H-shaped radar site is a of seven facilities forming the Leningrad outer ring. This facility, which operational radar area, a VHF communications area, and a supportance, apparently became operational in 1966. This report provides a detailed imagery-derived analysis of the facility	link in a chain h consists of an communications	25X1]
	INTRODUCTION		
	Elisenvaara Low Altitude Air Warning Radar Facility is located 1 nau southeast of Elisenvaarra and 89 nm northwest of Leningrad, USSR (Fig three low altitude air warning radar facilities form non-concentric ring Leningrad. The outer ring, on which the Elisenvaara Low Altitude Air Facility is located, has a radius of 100 nm and a separation of 50 nm bet inner ring has a radius of 60 nm and a separation of 35 nm between site altitude air warning radar facility was identified on overhead photograp the other facilities were identified between The terrain north of Elisenvaara is relatively hilly and heavily wo site has an elevation of 200 feet. Two hills north of Elisenvaara are high. The majority of the trees surrounding the radar facility range from height.	ture 1). Twenty- ngs surrounding Warning Radar ween sites. The s. The first low only in and oded. The radar 352 and 367 feet	25X1 25X1
	BASIC DESCRIPTION		
	Physical Footures		
25X1 25X 1 25X1	This facility consists of an operational radar area, a VHF communical a support/communications area which contains VHF communications equipy. The operational radar area (Figure 1) is enclosed by a security fence H-shaped. There are two SQUAT EYE radars at one end of the H and the radars at the other end. The two THIN SKIN radars are mounted at lattice towers and are apart. The two revetted SQUAT EYE radar atop pole masts and are apart. A support van is adjacent EYE radar. The distance between the SQUAT EYE and the THIN SKIN In the center of the H is a revetment containing four radar vans will lines leading from the vans to the radars. Earth-covered fuel tanks are four vans. Adjacent to the H-shaped area are two generator vans, one security building, and four electronics vans. The communications antennas for this facility are located in the VHF of the support vans are supported by the support vans.	oment. and is typically two THIN SKIN op 100-foot-high are are mounted to each SQUAT IN radars is	25X1
25X1	area and the support/communications area. The VHF communications a northwest of the operational radar area and consists of four FORK antennas, each with a propagation azimuth of 220 degrees. Their probable are Vyborg and Lypovka. Vyborg is located 66 nm from the Elisenvaar azimuth of 225 degrees. Lipovka is located 38 nm from the Elisenvaar azimuth of Two communications vans are associated with the nas. The support/communications area (Figure 1) consists of two FORK antennas with a propagation azimuth of The probable core	rea is 2,260 feet REST-type VHF correspondents a facility on an a facility on an aese four anten- REST-type VHF	25X1
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		101 0201121		25X1
			1.41	
Lipovk	a and Vyborg. A power	er substation located a	near the support/communications area ns area and the operational radar area.	
FT33		area contains a nea	iling plant, an administration, control	
buildin	ıg, ten support buildir	ngs, and three small	earth-covered bunkers. A rectangular	
fenced	area encloses 30 horizo	ntal fuel tanks.		
O 0##	itional Function			
Opera	a murmosa of this fac	ility is low-altitude ai	ir warning, and it is one of seven low	
altitud	e radar facilities in the	outer ring around Len	ingrad.	
Status	and Activity			
	7. Finnian	Date	Status	
	Mission	Date		
25X1			Negation.	
			Midstage of construction. H-configuration evident.	
			Late stage of construction. One radar tower present.	
			Facility appears complete;	
			however, identification of equipment cannot be made.	
			equipment cannot be made.	25X1
25X1		REFERENCI	28	
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25X11111P	S OR CHARTS			
		nt 200 Sheet M0103-20HI	, 4th ed, May 67, Scale 1:200,000 (SECRET)	25X1
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